CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date: 12/17/2001
Edited by: _____
Verified by: _____ (STIC sta)

Sortal Number: 10/003,608

ENTERED

#2

- [ ] Changed a file from non-ASCII to ASCII

- [ ] Changed the margins in cases where the sequence text was wrapped down to the next line.

- [ ] Edited a format error in the Current Application Data section, specifically: _____

- [ ] Edited the Current Application Data section with the actual current number. The number inputted by the applicant was [ ] the prior application data; or [ ] other _____

- [ ] Added the mandatory heading and subheadings for "Current Application Data".

- [ ] Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- [ ] Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____

- [ ] Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____

- [ ] Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____

- [✓] Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- [ ] Inserted colons after headings/subheadings. Headings edited included: _____

- [ ] Deleted extra, invalid, headings used by an applicant, specifically: _____

- [ ] Deleted: [ ] non-ASCII "garbage" at the beginning/end of files; [ ] secretary initials/filename at end of file; [ ] page numbers throughout text; [ ] other invalid text, such as _____

- [ ] Inserted mandatory headings, specifically: _____

- [ ] Corrected an obvious error in the response, specifically: _____

- [ ] Edited identifiers where upper case is used but lower case is required, or vice versa.

- [ ] Corrected an error in the Number of Sequences field, specifically: _____

- [ ] A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- [ ] Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

- [✓] Other: deleted duplicate <2217 - <2237 responses _____

_____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

#2 OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/003,608

DATE: 12/17/2001
TIME: 20:15:46

Input Set : **A:\PTO.AMC.TXT**
Output Set: **N:\CRF3\12172001\J003608.raw**

PS

```
    4 <110> APPLICANT: Bartha, Gabor
    5        Walker, Michael
    7 <120> TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
   10 <130> FILE REFERENCE: ICYTP012
C-->12 <140> CURRENT APPLICATION NUMBER: US/10/003,608
C-->12 <141> CURRENT FILING DATE: 2001-11-01
   12 <150> PRIOR APPLICATION NUMBER: 60/245,081
   13 <151> PRIOR FILING DATE: 2000-11-01
   15 <160> NUMBER OF SEQ ID NOS: 30
   17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
   19 <210> SEQ ID NO: 1
   20 <211> LENGTH: 4588
   21 <212> TYPE: DNA
   22 <213> ORGANISM: Human
   24 <400> SEQUENCE: 1
   25 gcggccgcca agagagatca cacccccagc cgaccctgcc agcgagcgag cccgacccca 60
   26 ggcgtccatg gagcgtcgcc tccgcccggt ccctgccccg accccgcct gcggcgcggc 120
   27 tcctgccttg accaggactt gggactttgc gaaaggatcg cggggcccgg agaggtaacc 180
   28 gccgcgcctc cggagaggt gttggagagc acaatggctg aacaagtcct tcctcaggct 240
   29 ttgtatttga gcaatatgcg gaaagctgtg aagatacggg agagaactcc agaagacatt 300
   30 tttaaaccta ctaatgggat cattcatcat tttaaaacca tgcaccgata cacactggaa 360
   31 atgttcagaa cttgccagtt ttgtcctcag tttcgggaga tcatccacaa agccctcatc 420
   32 gacagaaaca tccaggccac cctggaaagc cagaagaaac tcaactggtg tcgagaagtc 480
   33 cggaagcttg tggcgctgaa aacgaacggt gacggcaatt gcctcatgca tgccacttct 540
   34 cagtacatgt ggggcgttca ggacacagac ttggtactga ggaaggcgct gttcagcacg 600
   35 ctcaaggaaa cagacacacg caactttaaa ttccgctggc aactggagtc tctcaaatct 660
   36 caggaatttg ttgaaacggg gctttgctat gatactcgga actggaatga tgaatgggac 720
   37 aatcttatca aaatggcttc cacagacaca cccatggccc gaagtggact tcagtacaac 780
   38 tcactggaag aaatacacat atttgtcctt tgcaacatcc tcagaaggcc aatcattgtc 840
   39 atttcagaca aaatgctaag aagtttggaa tcaggttcca atttcgcccc tttgaaagtg 900
   40 ggtggaattt acttgcctct ccactggcct gcccaggaat gctacagata ccccattgtt 960
   41 ctcggctatg acagccatca ttttgtaccc ttggtgaccc tgaaggacag tgggcctgaa 1020
   42 atccgagctg ttccacttgt taacagagac cggggaagat ttgaagactt aaaagttcac 1080
   43 tttttgacag atcctgaaaa tgagatgaag gagaagctct aaaagagta cttaatggtg 1140
   44 atagaaatcc ccgtccaagg ctgggaccat ggcacaactc atctcatcaa tgccgcaaag 1200
   45 ttggatgaag ctaacttacc aaaagaaatc aatctggtag atgattactt tgaacttgtt 1260
   46 cagcatgagt acaagaaatg gcaggaaaac agcgagcagg ggaggagaga ggggcacgcc 1320
   47 cagaatccca tggaaccttc cgtgccccag ctttctctca tggatgtaaa atgtgaaacg 1380
   48 cccaactgcc ccttcttcat gtctgtgaac acccagcctt tatgccatga gtgctcagag 1440
   49 aggcggcaaa agaatcaaaa caaactccca aagctgaact ccaagccggg ccctgagggg 1500
   50 ctccctggca tggcgctcgg ggcctctcgg ggagaagcct atgagccctt ggcgtggaac 1560
   51 cctgaggagt ccactggggg gcctcattcg gccccaccga cagcacccag cccttttctg 1620
   52 ttcagtgaga ccactgccat gaagtgcagg agccccggct gcccccttcac actgaatgtg 1680
   53 cagcacaacg gatttgtga cgttgccac aacgcccggc aacttcacgc cagccacgcc 1740
   54 ccagaccaca caaggcactt ggatcccggg aagtgccaag cctgcctcca ggatgttacc 1800
   55 aggacattta atgggatctg cagtacttgc ttcaaaagga ctacagcaga ggcctcctcc 1860
   56 agcctcagca ccagcctccc tccttcctgt caccagcgtt. ccaagtcaga tccctcgcgg 1920
```

12/17/01

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/003,608

DATE: 12/17/2001
TIME: 20:15:46

Input Set : A:\PTO.AMC.TXT
Output Set: N:\CRF3\12172001\J003608.raw

```
 57 ctcgtccgga gcccctcccc gcattcttgc cacagagctg gaaacgacgc ccctgctggc 1980
 58 tgcctgtctc aagctgcacg gactcctggg gacaggacgg ggacgagcaa gtgcagaaaa 2040
 59 gccggctgcg tgtattttgg gactccagaa aacaagggct tttgcacact gtgtttcatc 2100
 60 gagtacagag aaaacaaaca ttttgctgct gcctcaggga aagtcagtcc cacagcgtcc 2160
 61 aggttccaga acaccattcc gtgcctgggg agggaatgcg gcacccttgg aagcaccatg 2220
 62 tttgaaggat actgccagaa gtgtttcatt gaagctcaga atcagagatt tcatgaggcc 2280
 63 aaaaggacag aagagcaact gagatcgagc cagcgcagag atgtgcctcg aaccacacaa 2340
 64 agcacctcaa ggcccaagtg cgcccgggcc tcctgcaaga acatcctggc ctgccgcagc 2400
 65 gaggagctct gcatggagtg tcagcatccc aaccagagga tgggccctgg ggcccaccgg 2460
 66 ggtgagcctg cccccgaaga cccccccaag cagcgttgcc gggcccccgc ctgtgatcat 2520
 67 tttggcaatg ccaagtgcaa cggctactgc aacgaatgct ttcagttcaa gcagatgtat 2580
 68 ggctaaccgg aaacaggtgg gtcacctcct gcaagaagtg gggcctcgag ctgtcagtca 2640
 69 tcatggtgct atcctctgaa cccctcagct gccactgcaa cagtgggctt aagggtgtct 2700
 70 gagcaggaga ggaaagataa gctcttcgtg gtgcccacga tgctcaggtt tggtaacccg 2760
 71 ggagtgttcc caggtggcct tagaaagcaa agcttgtaac tggcaaggga tgatgtcaga 2820
 72 ttcagcccaa ggttcctcct ctcctaccaa gcaggaggcc aggaacttct ttggacttgg 2880
 73 aaggtgtgcg gggactggcc gaggcccctg caccctgcgc atcaggactg cttcatcgtc 2940
 74 ttggctgaga aagggaaaag acacacaagt cgcgtgggtt ggagaagcca gagccattcc 3000
 75 acctcccctc ccccagcatc tctcagagat gtgaagccag atcctcatgg cagcgaggcc 3060
 76 ctctgcaaga agctcaagga agctcaggga aaatggacgt attcagagag tgtttgtagt 3120
 77 tcatggtttt tccctacctg cccggttcct ttcctgagga cccggcagaa atgcagaacc 3180
 78 atccatggac tgtgattctg aggctgctga gactgaacat gttcacattg acagaaaaac 3240
 79 aagctgctct ttataatatg caccttttaa aaaattagaa tattttactg ggaagacgtg 3300
 80 taactctttg ggttattact gtctttactt ctaaagaagt tagcttgaac tgaggagtaa 3360
 81 aagtgtgtac atatataata tacccttaca ttatgtatga gggatttttt taaattatat 3420
 82 tgaaatgctg ccctagaagt acaataggaa ggctaaataa taataacctg ttttctggtt 3480
 83 gttgttgggg catgagcttg tgtatacact gcttgcataa actcaaccag ctgccttttt 3540
 84 aaagggagct ctagtccttt ttgtgtaatt cactttattt attttattac aaacttcaag 3600
 85 attatttaag tgaagatatt tcttcagctc tggggaaaat gccacagtgt tctcctgaga 3660
 86 gaacatcctt gctttgagtc aggctgtggg caagttcctg accacaggga gtaaattggc 3720
 87 ctctttgata cacttttgct tgcctcccca ggaaagaagg aattgcatcc aaggtataca 3780
 88 tacatattca tcgatgtttc gtgcttctcc ttatgaaact ccagctatgt aataaaaaac 3840
 89 tatactctgt gttctgttaa tgcctctgag tgtcctacct ccttggagat gagataggga 3900
 90 aggagcaggg atgagactgg caatggtcac agggaaagat gtggcctttt gtgatggttt 3960
 91 tattttctgt taacactgtg tcctgggggg gctgggaagt cccctgcatc ccatggtacc 4020
 92 ctggtattgg gacagcaaaa gccagtaacc atgagtatga ggaaatctct ttctgttgct 4080
 93 ggcttacagt ttctctgtgt gctttgtggt tgctgtcata tttgctctag aagaaaaaaa 4140
 94 aaaaaaggag gggaaatgca ttttccccag agataaaggc tgccattttg ggggtctgta 4200
 95 cttatggcct gaaaatattt gtgatccata actctacaca gcctttactc atactattag 4260
 96 gcacactttc cccttagagc cccctaagtt tttcccagac gaatctttat aatttctttc 4320
 97 caaagatacc aaataaactt cagtgttttc atctaattct cttaaagttg atatcttaat 4380
 98 attttgtgtt gatcattatt ccattctta atgtgaaaaa aagtaattat ttatacttat 4440
 99 tataaaaagt atttgaaatt tgcacattta attgtcccta atagaaagcc acctattctt 4500
100 tgttggattt cttcaagttt ttctaaataa atgtaacttt tcacaagagt caacattaaa 4560
101 aaataaatta tttaaaaaaa aaaaaaaa                                    4588
103 <210> SEQ ID NO: 2
104 <211> LENGTH: 790
105 <212> TYPE: PRT
106 <213> ORGANISM: Human
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/003,608

Input Set : A:\PTO.AMC.TXT
Output Set: N:\CRF3\12172001\J003608.raw

```
108 <400> SEQUENCE: 2
109 Met Ala Glu Gln Val Leu Pro Gln Ala Leu Tyr Leu Ser Asn Met Arg
110  1                   5                   10                  15
111 Lys Ala Val Lys Ile Arg Glu Arg Thr Pro Glu Asp Ile Phe Lys Pro
112              20                  25                  30
113 Thr Asn Gly Ile Ile His His Phe Lys Thr Met His Arg Tyr Thr Leu
114          35                  40                  45
115 Glu Met Phe Arg Thr Cys Gln Phe Cys Pro Gln Phe Arg Glu Ile Ile
116      50                  55                  60
117 His Lys Ala Leu Ile Asp Arg Asn Ile Gln Ala Thr Leu Glu Ser Gln
118 65                  70                  75                  80
119 Lys Lys Leu Asn Trp Cys Arg Glu Val Arg Lys Leu Val Ala Leu Lys
120                  85                  90                  95
121 Thr Asn Gly Asp Gly Asn Cys Leu Met His Ala Thr Ser Gln Tyr Met
122              100                 105                 110
123 Trp Gly Val Gln Asp Thr Asp Leu Val Leu Arg Lys Ala Leu Phe Ser
124          115                 120                 125
125 Thr Leu Lys Glu Thr Asp Thr Arg Asn Phe Lys Phe Arg Trp Gln Leu
126          130                 135                 140
127 Glu Ser Leu Lys Ser Gln Glu Phe Val Glu Thr Gly Leu Cys Tyr Asp
128 145                 150                 155                 160
129 Thr Arg Asn Trp Asn Asp Glu Trp Asp Asn Leu Ile Lys Met Ala Ser
130                  165                 170                 175
131 Thr Asp Thr Pro Met Ala Arg Ser Gly Leu Gln Tyr Asn Ser Leu Glu
132              180                 185                 190
133 Glu Ile His Ile Phe Val Leu Cys Asn Ile Leu Arg Arg Pro Ile Ile
134              195                 200                 205
135 Val Ile Ser Asp Lys Met Leu Arg Ser Leu Glu Ser Gly Ser Asn Phe
136      210                 215                 220
137 Ala Pro Leu Lys Val Gly Gly Ile Tyr Leu Pro Leu His Trp Pro Ala
138 225                 230                 235                 240
139 Gln Glu Cys Tyr Arg Tyr Pro Ile Val Leu Gly Tyr Asp Ser His His
140                  245                 250                 255
141 Phe Val Pro Leu Val Thr Leu Lys Asp Ser Gly Pro Glu Ile Arg Ala
142              260                 265                 270
143 Val Pro Leu Val Asn Arg Asp Arg Gly Arg Phe Glu Asp Leu Lys Val
144          275                 280                 285
145 His Phe Leu Thr Asp Pro Glu Asn Glu Met Lys Glu Lys Leu Leu Lys
146      290                 295                 300
147 Glu Tyr Leu Met Val Ile Glu Ile Pro Val Gln Gly Trp Asp His Gly
148 305                 310                 315                 320
149 Thr Thr His Leu Ile Asn Ala Ala Lys Leu Asp Glu Ala Asn Leu Pro
150              325                 330                 335
151 Lys Glu Ile Asn Leu Val Asp Asp Tyr Phe Glu Leu Val Gln His Glu
152              340                 345                 350
153 Tyr Lys Lys Trp Gln Glu Asn Ser Glu Gln Gly Arg Arg Glu Gly His
154          355                 360                 365
155 Ala Gln Asn Pro Met Glu Pro Ser Val Pro Gln Leu Ser Leu Met Asp
156      370                 375                 380
```

RAW SEQUENCE LISTING   DATE: 12/17/2001
PATENT APPLICATION: US/10/003,608   TIME: 20:15:46

Input Set : A:\PTO.AMC.TXT
Output Set: N:\CRF3\12172001\J003608.raw

```
157 Val Lys Cys Glu Thr Pro Asn Cys Pro Phe Phe Met Ser Val Asn Thr
158 385                 390              395              400
159 Gln Pro Leu Cys His Glu Cys Ser Glu Arg Arg Gln Lys Asn Gln Asn
160             405              410              415
161 Lys Leu Pro Lys Leu Asn Ser Lys Pro Gly Pro Glu Gly Leu Pro Gly
162             420              425              430
163 Met Ala Leu Gly Ala Ser Arg Gly Glu Ala Tyr Glu Pro Leu Ala Trp
164         435              440              445
165 Asn Pro Glu Glu Ser Thr Gly Gly Pro His Ser Ala Pro Pro Thr Ala
166     450              455              460
167 Pro Ser Pro Phe Leu Phe Ser Glu Thr Thr Ala Met Lys Cys Arg Ser
168 465              470              475              480
169 Pro Gly Cys Pro Phe Thr Leu Asn Val Gln His Asn Gly Phe Cys Glu
170             485              490              495
171 Arg Cys His Asn Ala Arg Gln Leu His Ala Ser His Ala Pro Asp His
172         500              505              510
173 Thr Arg His Leu Asp Pro Gly Lys Cys Gln Ala Cys Leu Gln Asp Val
174         515              520              525
175 Thr Arg Thr Phe Asn Gly Ile Cys Ser Thr Cys Phe Lys Arg Thr Thr
176     530              535              540
177 Ala Glu Ala Ser Ser Ser Leu Ser Thr Ser Leu Pro Pro Ser Cys His
178 545              550              555              560
179 Gln Arg Ser Lys Ser Asp Pro Ser Arg Leu Val Arg Ser Pro Ser Pro
180             565              570              575
181 His Ser Cys His Arg Ala Gly Asn Asp Ala Pro Ala Gly Cys Leu Ser
182         580              585              590
183 Gln Ala Ala Arg Thr Pro Gly Asp Arg Thr Gly Thr Ser Lys Cys Arg
184     595              600              605
185 Lys Ala Gly Cys Val Tyr Phe Gly Thr Pro Glu Asn Lys Gly Phe Cys
186     610              615              620
187 Thr Leu Cys Phe Ile Glu Tyr Arg Glu Asn Lys His Phe Ala Ala Ala
188 625              630              635              640
189 Ser Gly Lys Val Ser Pro Thr Ala Ser Arg Phe Gln Asn Thr Ile Pro
190             645              650              655
191 Cys Leu Gly Arg Glu Cys Gly Thr Leu Gly Ser Thr Met Phe Glu Gly
192             660              665              670
193 Tyr Cys Gln Lys Cys Phe Ile Glu Ala Gln Asn Gln Arg Phe His Glu
194         675              680              685
195 Ala Lys Arg Thr Glu Glu Gln Leu Arg Ser Ser Gln Arg Arg Asp Val
196     690              695              700
197 Pro Arg Thr Thr Gln Ser Thr Ser Arg Pro Lys Cys Ala Arg Ala Ser
198 705              710              715              720
199 Cys Lys Asn Ile Leu Ala Cys Arg Ser Glu Glu Leu Cys Met Glu Cys
200             725              730              735
201 Gln His Pro Asn Gln Arg Met Gly Pro Gly Ala His Arg Gly Glu Pro
202             740              745              750
203 Ala Pro Glu Asp Pro Pro Lys Gln Arg Cys Arg Ala Pro Ala Cys Asp
204         755              760              765
205 His Phe Gly Asn Ala Lys Cys Asn Gly Tyr Cys Asn Glu Cys Phe Gln
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/003,608

DATE: 12/17/2001
TIME: 20:15:46

Input Set : A:\PTO.AMC.TXT
Output Set: N:\CRF3\12172001\J003608.raw

```
206      770                775              780
207 Phe Lys Gln Met Tyr Gly
208 785                 790
211 <210> SEQ ID NO: 3
212 <211> LENGTH: 1224
213 <212> TYPE: DNA
214 <213> ORGANISM: Human
216 <220> FEATURE:
217 <221> NAME/KEY: misc_feature
218 <222> LOCATION: 36, 91, 645, 655, 660, 671, 672
219 <223> OTHER INFORMATION: n = A,T,C or G
221 <221> NAME/KEY: allele
222 <222> LOCATION: (0)...(0)
224 <400> SEQUENCE: 3
```

```
W--> 225 tcgggatcga tctggagctc cgggaatttc cctggnccgg gactccgggc tttccagccc 60
W--> 226 caaccatgca taaaaggggt tcgccgttct nggagagcca cagagcccgg gccacaggca 120
     227 gctccttgcc agctcttcct ctcctctcac agccgccaga cccgcctgct gagcccccat 180
     228 ggcccgcgct gctctctccg ccgcccccag caatccccgg ctcctgcgag tggcgctgct 240
     229 gctcctgctc ctggtagccg ctggccggcg cgcagcagga gcgcccctgg ccactgaact 300
     230 gcgctgccag tgcttgcaga ccctgcaggg aattcacctc aagaacatcc aaagtgtgaa 360
     231 ggtgaagtcc cccggacccc actgcgccca aaccgaagtc atagccacac tcaagaatgg 420
     232 gcagaaagct tgtctcaacc ccgcatcgcc catggttaag aaaatcatcg aaaagatgct 480
     233 gaaaaatggc aaatccaact gaccagaagg aaggaggaag cttattggtg gctgttcctg 540
     234 aaggaggccc tgcccttaca ggaacagaag aggaaagaga gacacagctg cagaggccac 600
W--> 235 ctgggattgc gcctaatgtg tttgagcatc acttaggaga aggcnccgat taatnaattn 660
W--> 236 attaatttat nnattggttg gttttagaag attctatgtt aatattttat gtgtaaaata 720
     237 aggttatgat tgaatctact tgcacactct cccattatat ttattgttta ttttaggtca 780
     238 aacccaagtt agttcaatcc tgattcatat ttaatttgaa gatagaaggt ttgcagatat 840
     239 tctctagtca tttgttaata tttcttcgtg atgacatatc acatgtcagc cactgtgata 900
     240 gaggctgagg aatccaagaa aatggccagt aagatcaatg tgacggcagg gaaatgtatg 960
     241 tgtgtctatt ttgtaactgt aaagatgaat gtcagttgtt atttattgaa atgatttcac 1020
     242 agtgtgtggt caacatttct catgttgaag ctttaagaac taaaatgttc taaatatccc 1080
     243 ttggacattt tatgtctttc ttgtaaggca tactgccttg tttaatgtta attatgcagt 1140
     244 gtttccctct gtgttagagc agagaggttt cgatatttat tgatgttttc acaaagaaca 1200
     245 ggaaaataaa atatttaaaa atat                                    1224
247 <210> SEQ ID NO: 4
248 <211> LENGTH: 107
249 <212> TYPE: PRT
250 <213> ORGANISM: Human
252 <400> SEQUENCE: 4
253 Met Ala Arg Ala Ala Leu Ser Ala Ala Pro Ser Asn Pro Arg Leu Leu
254  1               5                   10              15
255 Arg Val Ala Leu Leu Leu Leu Leu Leu Val Ala Ala Gly Arg Arg Ala
256              20                  25                  30
257 Ala Gly Ala Pro Leu Ala Thr Glu Leu Arg Cys Gln Cys Leu Gln Thr
258          35                  40                  45
259 Leu Gln Gly Ile His Leu Lys Asn Ile Gln Ser Val Lys Val Lys Ser
260      50                  55                  60
261 Pro Gly Pro His Cys Ala Gln Thr Glu Val Ile Ala Thr Leu Lys Asn
```

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY   DATE: 12/17/2001
PATENT APPLICATION: US/10/003,608   TIME: 20:15:47

    Input Set : A:\PTO.AMC.TXT
    Output Set: N:\CRF3\12172001\J003608.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11